

09/743329

534 Rec'd PCT/PTO 09 JAN 2001

## SEQUENCE LISTING

<110> Michael Ploug  
Søren Østergaard  
Arne Holm  
Claus Holst-Hansen  
Ross W. Stephens  
Keld Danø

<120> Peptide antagonists of the human  
urokinase receptor

<130> 20411PC1

<160> 28

<170> FastSEQ for Windows Version 3.0

<210> 1  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> dCha

<221> MUTAGEN  
<222> (2)...(2)  
<223> beta-cyclohexyl-L-alanine

<400> 1  
Asp Xaa Phe Ser Arg Tyr Leu Trp Ser  
1 5

<210> 2  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> AE100

<221> MUTAGEN  
<222> (2)...(2)  
<223> beta-cyclohexyl-L-alanine

<400> 2  
Glu Xaa Phe Ser Tyr Tyr Leu Trp Ser  
1 5

<210> 3  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> AE108

<221> MUTAGEN  
<222> (2)...(2)  
<223> beta-cyclohexyl-L-alanine

<400> 3

Thr Xaa Phe Ser Arg Tyr Leu Trp Ser  
1 5

<210> 4  
<211> 9  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> AE105  
  
<221> MUTAGEN  
<222> (2)...(2)  
<223> beta-cyclohexyl-L-alanine

<400> 4  
Asp Xaa Phe Ser Arg Tyr Leu Trp Ser  
1 5

<210> 5  
<211> 10  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> AE116  
  
<221> MUTAGEN  
<222> (2)...(2)  
<223> beta-cyclohexyl-L-alanine

<400> 5  
Asp Xaa Phe Ser Arg Gly Tyr Leu Trp Ser  
1 5 10

<210> 6  
<211> 10  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> AE117  
  
<221> MUTAGEN  
<222> (2)...(2)  
<223> beta-cyclohexyl-L-alanine  
  
<221> MOD\_RES  
<222> (6)...(6)  
<223> bAla

<400> 6  
Asp Xaa Phe Ser Arg Xaa Tyr Leu Trp Ser  
1 5 10

<210> 7  
<211> 9  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> AE106  
  
<221> MUTAGEN

<222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<400> 7  
 Asp Xaa Phe Ser Arg Tyr Leu Trp Ser  
 1 5

<210> 8  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE107

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<400> 8  
 Asp Xaa Phe Ser Arg Tyr Leu Trp Ser  
 1 5

<210> 9  
 <211> 10  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Lcha

<221> MUTAGEN  
 <222> (3)...(3)  
 <223> beta-cyclohexyl-L-alanine

<400> 9  
 Ser Leu Xaa Phe Ser Gln Tyr Leu Trp Ser  
 1 5 10

<210> 10  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE109

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<221> MUTAGEN  
 <222> (8)...(8)  
 <223> beta-l-naphthyl-L-alanine

<400> 10  
 Asp Xaa Phe Ser Arg Tyr Leu Xaa Ser  
 1 5

<210> 11  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE110

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<400> 11  
 Asp Xaa Phe Ser Arg Tyr Leu Trp Ser  
 1 5

<210> 12  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE114

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> b-cyclohexyl-L-alanine

<221> MUTAGEN  
 <222> (8)...(8)  
 <223> beta-1-naphthyl-L-alanine

<400> 12  
 Asp Xaa Phe Ser Arg Tyr Leu Xaa Ser  
 1 5

<210> 13  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE115

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<400> 13  
 Glu Xaa Phe Ser Tyr Tyr Leu Trp Ser  
 1 5

<210> 14  
 <211> 10  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE68

<400> 14  
 Ser Leu Asn Phe Ser Gln Tyr Leu Trp Ser  
 1 5 10

<210> 15  
 <211> 17  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> AE78

<400> 15

Ala Glu Pro Met Pro His Ser Leu Asn Phe Ser Gln Tyr Leu Trp Tyr  
 1 5 10 15  
 Thr

<210> 16

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> AE104

<400> 16

Ala Arg Phe His His Tyr Leu Trp Ser  
 1 5

<210> 17

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> AE111

<400> 17

Leu Asn Phe Ser Gln Tyr Leu Trp Ser  
 1 5

<210> 18

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> AE112

<400> 18

Asp Phe Phe Ser Arg Tyr Leu Trp Ser  
 1 5

<210> 19

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> AE113

<400> 19

Asp Asn Phe Ser Arg Tyr Leu Trp Ser  
 1 5

<210> 20

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> AE130

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<400> 20  
 Asp Xaa Phe Ser Arg Leu Leu Trp His  
 1 5

<210> 21  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE132

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<221> MUTAGEN  
 <222> (6)...(6)  
 <223> beta-cyclohexyl-L-alanine

<400> 21  
 Asp Xaa Phe Ser Arg Xaa Leu Trp Ile  
 1 5

<210> 22  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE131

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<221> MUTAGEN  
 <222> (8)...(8)  
 <223> beta-naphthyl-L-alanine

<400> 22  
 Asp Xaa Phe Ser Arg Tyr Leu Xaa His  
 1 5

<210> 23  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE124

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<221> MUTAGEN  
 <222> (6)...(6)  
 <223> N-(2,3-dimethoxybenzyl)glycine

<221> MUTAGEN  
 <222> (8)...(8)  
 <223> N-(3-indolyethyl)glycine

<221> MUTAGEN  
 <222> (9)...(9)  
 <223> N-(2-methoxyethyl)glycine

<400> 23  
 Asp Xaa Phe Ser Arg Xaa Phe Xaa Xaa  
 1 5

<210> 24  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE125

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<221> MUTAGEN  
 <222> (6)...(6)  
 <223> N-(2,3-dimethoxybenzyl)glycine

<221> MUTAGEN  
 <222> (8)...(8)  
 <223> N-benzylglycine

<221> MUTAGEN  
 <222> (9)...(9)  
 <223> N-(2-methoxyethyl)glycine

<400> 24  
 Asp Xaa Phe Ser Arg Xaa Phe Xaa Xaa  
 1 5

<210> 25  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE126

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<221> MUTAGEN  
 <222> (6)...(6)  
 <223> N-(2,3-dimethoxybenzyl)glycine

<221> MUTAGEN  
 <222> (8)...(8)  
 <223> N-(methylnaphthalyl)glycine

<221> MUTAGEN  
 <222> (9)...(9)  
 <223> N-(2-methoxyethyl)glycine

<400> 25  
 Asp Xaa Phe Ser Arg Xaa Phe Xaa Xaa  
 1 5

<210> 26  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE129

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> beta-cyclohexyl-L-alanine

<221> MUTAGEN  
 <222> (6)...(6)  
 <223> N-(2,3-dimethoxybenzyl)glycine

<221> MUTAGEN  
 <222> (8)...(8)  
 <223> N-(2,3-dimethoxybenzyl)glycine

<400> 26  
 Asp Xaa Phe Ser Arg Xaa Phe Xaa Ile  
 1 5

<210> 27  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> AE68

<221> MUTAGEN  
 <222> (2)...(2)  
 <223> D-Ala, D-Ser, D-Thr, D-Tyr, D-Asp, D-Glu, D-Lys,  
 D-His, D-Arg, D-Asn, D-Gln, D-Pro, D-Leu, D-Val,  
 D-Ile, D-Met, D-Phe, D-Trp, O-benzyl-L-tyrosine,  
 O-benzyl-L-hydroxyproline, Nim-benzyl-L-histidine,  
 $\beta$ -2-naphthyl-L-alanine,  $\beta$ -cyclohexyl-L-alanine,  
 D-phenylglycine or glycine.

<221> MUTAGEN  
 <222> (3)...(3)  
 <223> D-Ala, D-Ser, D-Thr, D-Tyr, D-Asp, D-Glu, D-Lys,  
 D-His, D-Arg, D-Asn, D-Gln, D-Pro, D-Leu, D-Val,  
 D-Ile, D-Met, D-Phe, D-Trp, O-benzyl-L-tyrosine,  
 O-benzyl-L-hydroxyproline, Nim-benzyl-L-histidine,  
 $\beta$ -2-naphthyl-L-alanine,  $\beta$ -cyclohexyl-L-alanine,  
 D-phenylglycine or glycine.

<400> 27  
 Phe Xaa Xaa Tyr Leu Trp Ser  
 1 5

<210> 28  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence



<220>

<223> AE128

<221> MUTAGEN

<222> (2)...(2)

<223> beta-cyclohexyl-L-alanine

<221> MUTAGEN

<222> (6)...(6)

<223> N-(2-methoxyethyl)glycine

<221> MUTAGEN

<222> (7)...(7)

<223> N-(2,3-dimethoxybenzyl)glycine

<221> MUTAGEN

<222> (9)...(9)

<223> N-(methylnaphthalyl)glycine

<400> 28

Asp Xaa Phe Ser Arg Xaa Xaa Phe Xaa

1

5